

IN THE CITY OF RIVERSIDE
STORM DRAIN RELOCATION PLANS
UNIVERSITY WASH

GENERAL NOTES

- NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHTS-OF-WAY OR EASEMENTS OF THE CITY OF RIVERSIDE WITHOUT A VALID CONSTRUCTION PERMIT OR A STREET OPENING PERMIT OR AN ENCROACHMENT PERMIT ISSUED BY THE CITY'S PUBLIC WORKS DEPARTMENT.
- QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, ITS SUPPLEMENTAL NOTES AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT OF WAY IN ACCORDANCE WITH THE PROVISIONS OF LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTENANCES AND AT NO COST TO THE CITY.
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
- THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
- THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (U.S.A.) PHONE NO. 1-800-227-2600, TWO WORKING DAYS BEFORE DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY U.S.A.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR RE-ESTABLISHING AND REFERENCE SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
- CONTRACTOR IS TO VERIFY EXISTING SEWER LOCATION AND ELEVATION PRIOR TO START OF CONSTRUCTION.
- A PLUG IS TO BE INSTALLED AND WILL REMAIN IN PLACE WHERE THE NEW SEWER CONNECTS WITH THE EXISTING SEWER UNTIL THE NEW SEWER IS ACCEPTED BY THE CITY.
- THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.

NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATIONS OF ALL UNDERGROUND UTILITIES (UTILITY PIPES, STRUCTURES, ETC.) SHOWN ON THESE PLANS (MAIN LINES ONLY - NO SERVICE LATERALS) WERE ASCERTAINED BY A REVIEW OF RECORDS PROVIDED BY THESE MEMBER AGENCIES AND ARE APPROXIMATE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN.

THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. LOCATIONS OF UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION.

CALL UNDERGROUND SERVICE ALERT (U.S.A.) 1-800-227-2600 AT LEAST 2 WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.

ENGINEER'S NOTES

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY OF DESIGN AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER CITY APPROVAL OR DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE PRIVATE ENGINEER FOR CLARIFICATION. THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.

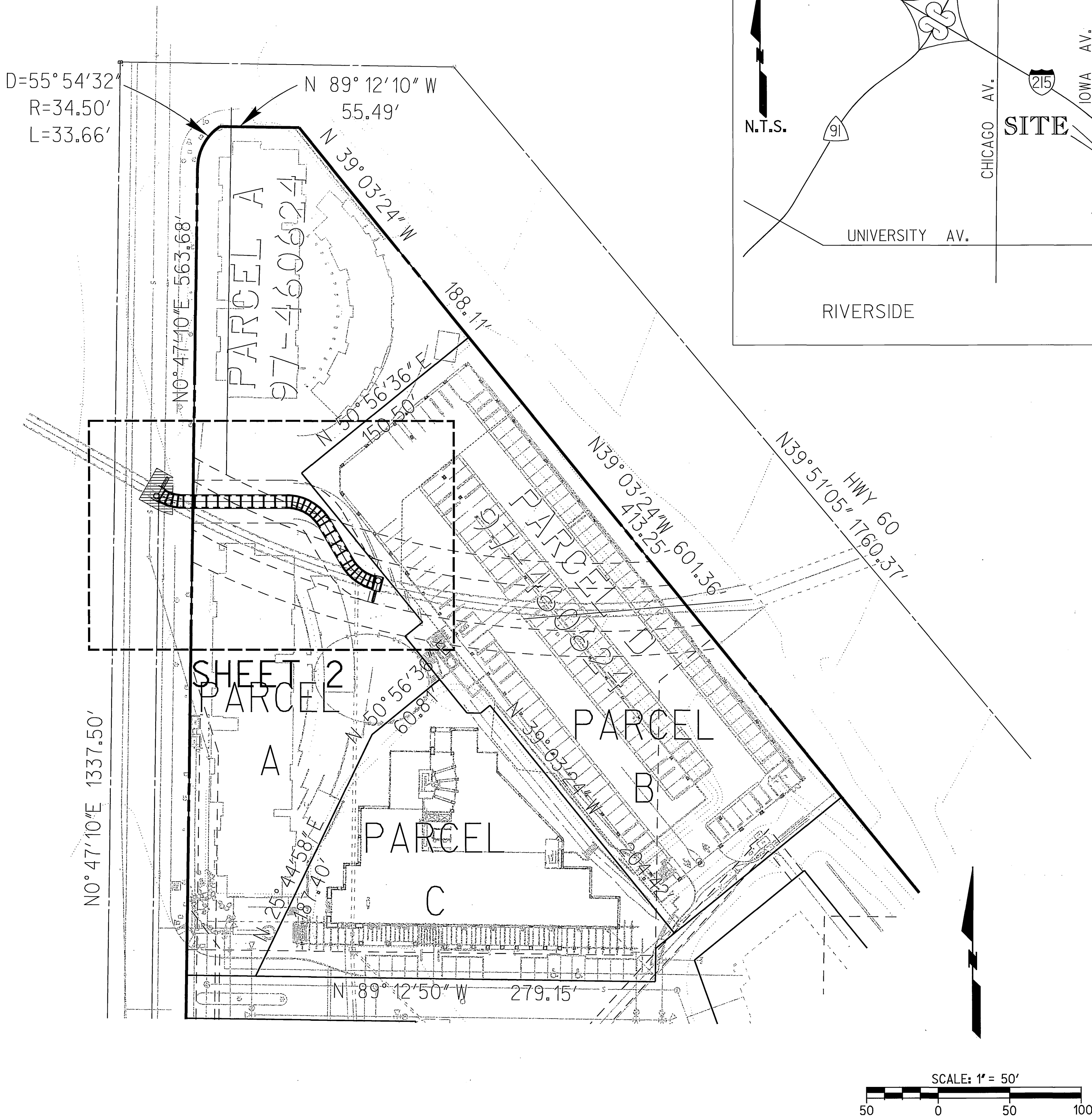
PRIVATE ENGINEER WILL NOT BE PROVIDING INSPECTION SERVICES OR CONSTRUCTION REVIEW. THESE FUNCTIONS ARE THE RESPONSIBILITY OF THE CITY AND/OR THE GENERAL CONTRACTOR. ENGINEER ACCEPTS NO LIABILITY FOR SUCH FUNCTIONS OR WORK THEREOF.

ABBREVIATIONS

TC - TOP OF CURB
IE - INVERT ELEVATION
R/W - RIGHT OF WAY
MH - MANHOLE

LEGEND

PROPOSED SEWER MAIN AND MH
EXIST SEWER MAIN
EXIST GAS MAIN
EXIST WATER MAIN
EXIST WATER MAIN



WORK TO BE DONE

THESE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS, THE CURRENT STANDARD SPECIFICATIONS, AND THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION ("GREEN BOOK").

PRIVATE ENGINEER'S NOTE TO CONTRACTOR

ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE OCCUPATIONAL SAFETY AND HEALTH REGULATIONS OF THE U.S. DEPARTMENT OF LABOR AND THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS CONSTRUCTION SAFETY ORDERS. THE CIVIL ENGINEER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR THE CONTRACTOR'S AND SUBCONTRACTOR'S COMPLIANCE WITH SAID REGULATIONS AND ORDERS.

CONTRACTOR FURTHER AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB-SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND CIVIL ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTION FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

THE EXISTENCE AND APPROXIMATE LOCATIONS OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. THE CIVIL ENGINEER ASSUMES NO LIABILITY AS TO THE EXACT LOCATION OF SAID LINES NOR FOR UTILITY OR IRRIGATION LINES WHOSE LOCATIONS ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY AND IRRIGATION COMPANIES PRIOR TO WORK OR EXCAVATION TO DETERMINE THE EXACT LOCATIONS OF ALL LINES AFFECTING THIS WORK, WHETHER OR NOT SHOWN HEREON, AND FOR ANY DAMAGE OR PROTECTION TO THESE LINES.

CIVIL ENGINEER

RICK ENGINEERING COMPANY
1223 UNIVERSITY AVENUE, SUITE 240
RIVERSIDE, CA 92507
ATTN: ROBERT STOCKTON, RCE
(909) 782-0707

GEOTECHNICAL ENGINEER

JOHN R. BYERLY, INC.
2257 SOUTH LILAC AVE.
BLOOMINGTON, CA 92316-2907
ATTN: GLENN S. FRASER
(909) 783-1910

BENCH MARK NOTE

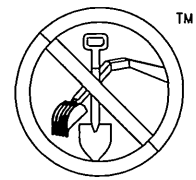
18-K3 ELEV. = 996.699
P.K. NAIL AND CITY ENGINEER TAG IN THE EAST END OF THE NORTH CONCRETE HANDRAIL ABUTMENT OF THE LINDEN STREET OVERCROSSING OF THE 60/1-215 FREEWAY AT THE NORTHEASTERLY CORNER OF LINDEN STREET AND IOWA AVENUE.

DATUM 1929 ADJUSTMENT YEAR 1971
DATE LVLD: 1988 REFERENCE LL23/125

CONSTRUCTION NOTES AND QUANTITIES

- REMOVE EXISTING 96" RCP FROM STA: 10+17.57 TO 12+00.67 (TO BE RELOCATED TO CITY APPROVED SITE)..... 183.10 LF
- CONSTRUCT MANHOLE NO.2 PER RCFC AND WCD STANDARD DRAWING NUMBER MH252, F=14', L=6', P=8'..... 2 EA
- PLACE 96" GASKETED RCP D-1250, MANUFACTURED 4' SECTION WITH 7.5" BEND (SEE DETAIL ON THIS SHEET 2)..... 18 EA
- PLACE 96" GASKETED RCP D-1250, 8' SECTIONS..... 13 EA
- PROPOSED 18" RCP D-1000 STUB FOR FUTURE CONNECTION..... 2 EA
- REMOVE EXISTING 18" RCP STUB..... 2 EA
- REMOVE EXISTING CONCRETE COLLAR..... 1EA
- REMOVE AND REPLACE AC PER CITY STANDARDS..... 486 SF
- EXISTING MANHOLE NO.2 PER D-694, RCFC AND WCD STANDARD DRAWING NUMBER MH252, F=14', L=6', P=8'..... 1EA

DIG ALERT



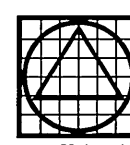
CALL
BEFORE
YOU DIG!

1-800-227-2600
UNDERGROUND SERVICE ALERT
Call at least 2 working days prior to excavating.



PREPARED UNDER THE DIRECTION OF
ROBERT A. STOCKTON DATE 5/14/03
REGISTERED CIVIL ENGINEER NO. C033591
EXPIRATION DATE 6-30-06

APPROVED BY
DATE



RICK ENGINEERING COMPANY

1223 University Ave., Ste. 240 • Riverside, CA 92507-9418 • (909) 782-0707 • FAX (909) 782-0723 • www.rickeng.com

CITY BUSINESS TAX CERTIFICATE NO. 35225 EXP. DATE 7/20/03
SCALE: BENCH MARK SEE ABOVE

SCALE: 1" = 50'
50 0 50 100

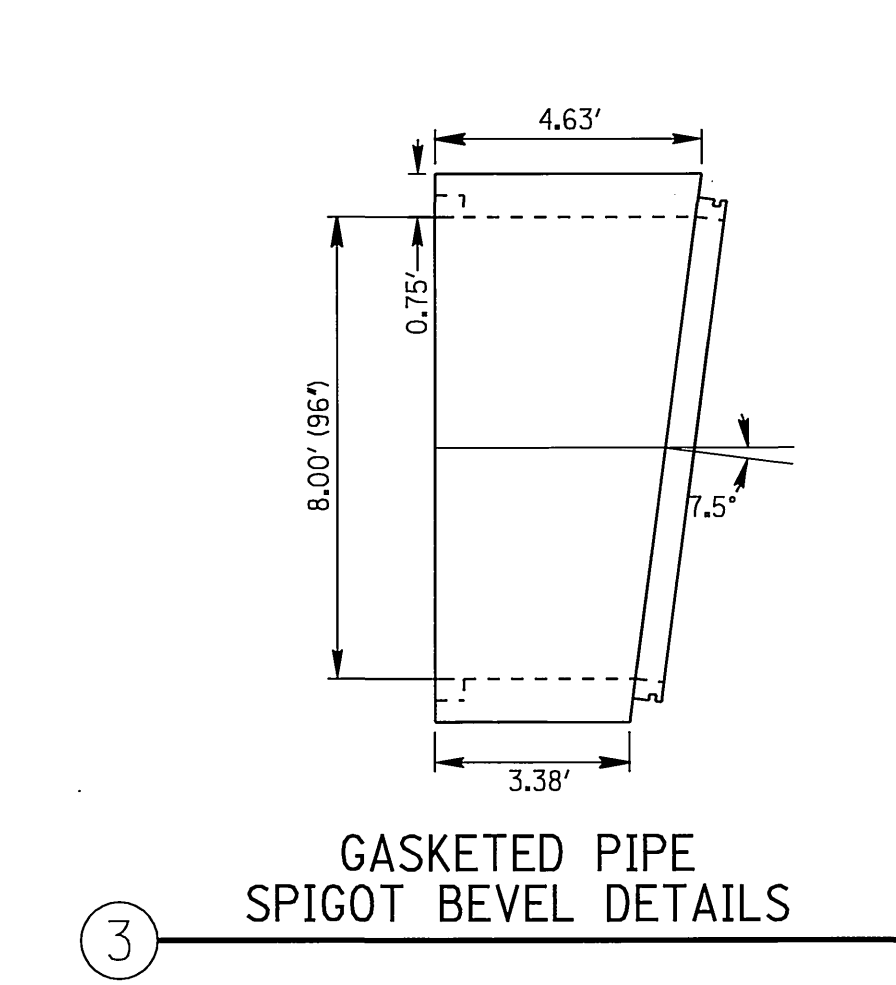
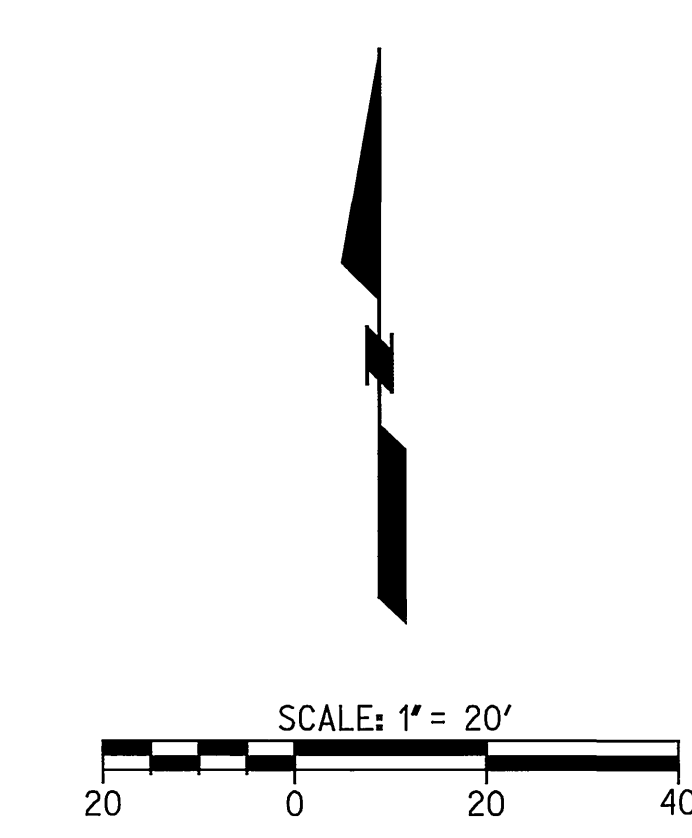
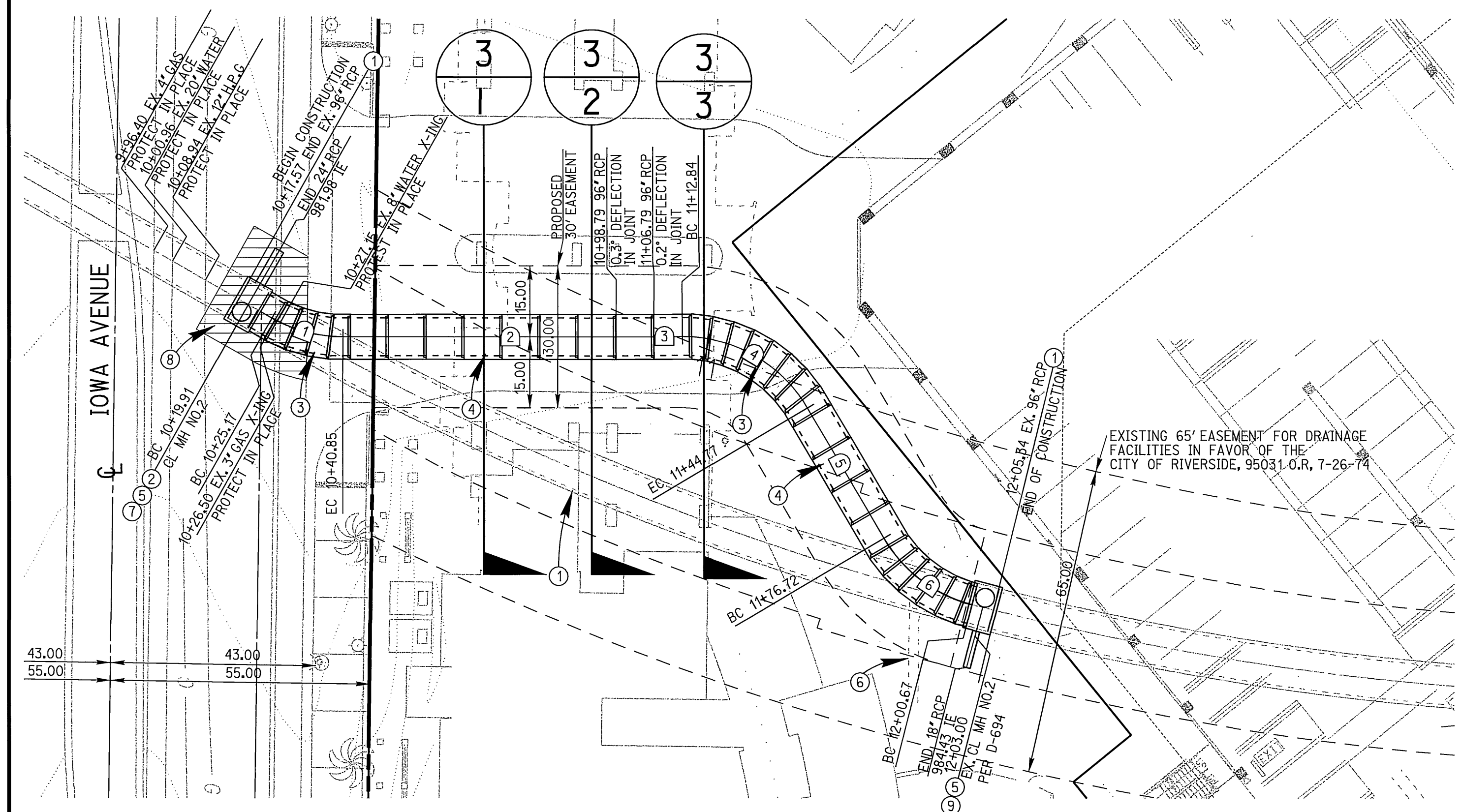
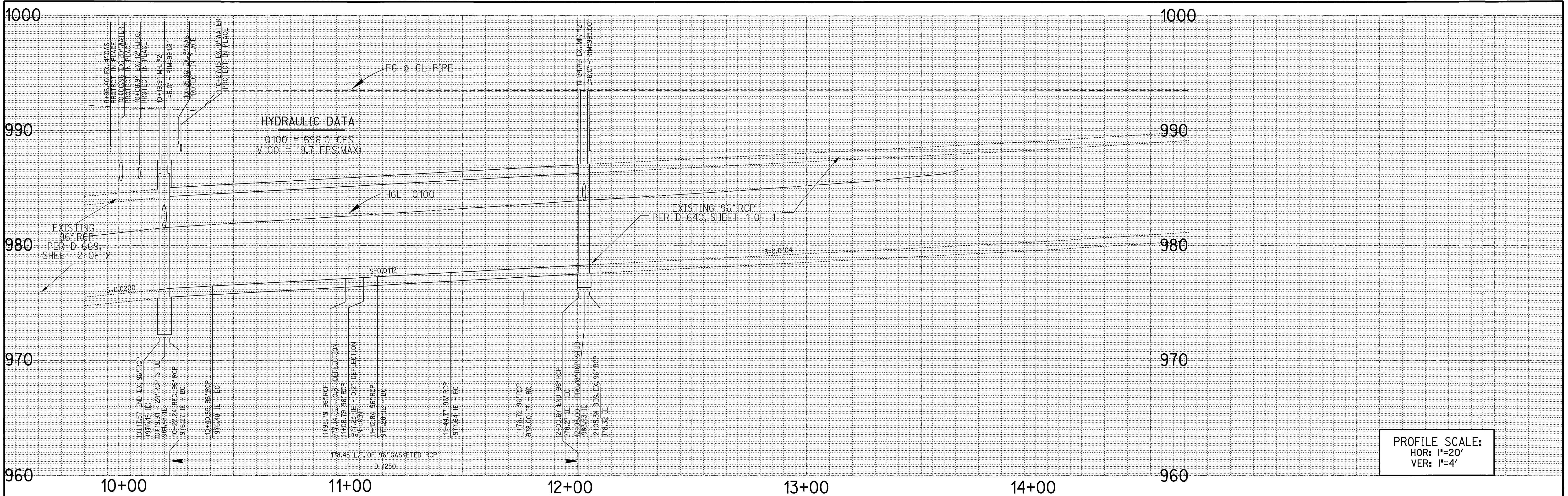
**CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT**

APPROVED BY
PRINCIPAL ENGINEER
TRAFFIC DIVISION
STREETS & SERVICES
DATE 5/22/2003

**STORM DRAIN
RELOCATION PLANS
UNIVERSITY WASH
TITLE SHEET**

PROJECT NO.
D-731
SHEET 1 OF 3
FILE NO. PW03-0048

HORIZ. SCALE VERT. SCALE
INDEXED 5-26-04
PLOT DATE: 15-MAY-2003 J.N. 13626



- CONSTRUCTION NOTES**
- REMOVE EXISTING 96" RCP FROM STA: 10+17.57 TO 12+00.67 (TO BE RELOCATED TO CITY APPROVED SITE)
 - CONSTRUCT MANHOLE NO.2 PER RCFC AND WCD STANDARD DRAWING NUMBER MH252, F=14", L=6", P=8"
 - PLACE 96" GASKETED RCP D-1250, MANUFACTURED 4' SECTION WITH 7.5" BEND (SEE DETAIL ON THIS SHEET)
 - PLACE 96" GASKETED RCP D-1250, 8' SECTIONS
 - PROPOSED 18" RCP D-1000 STUB FOR FUTURE CONNECTION
 - REMOVE EXISTING 18" RCP STUB
 - REMOVE EXISTING CONCRETE COLLAR
 - REMOVE AND REPLACE AC PER CITY STANDARDS
 - EXISTING MANHOLE NO.2 PER D-694, RCFC AND WCD STANDARD DRAWING NUMBER MH252, F=14", L=6", P=8"

STORM DRAIN DATA				
NO.	DELTA OR BRG.	RADIUS	LENGTH	REMARK
1	29°27'21"	30.5'	15.68'	96" GASKETED RCP
2	N89°57'13"W		64.26'	96" GASKETED RCP
3	N89°31'38"E		7.72'	96" GASKETED RCP
4	S9°59'43"	30.5'	31.94'	96" GASKETED RCP
5	N30°28'38"W		31.95'	96" GASKETED RCP
6	44°58'57"	30.5'	23.95'	96" GASKETED RCP

CAUTION:
EXACT LOCATION OF EXISTING UNDERGROUND FACILITIES IS UNKNOWN. CONTRACTOR TO VERIFY IN FIELD.



PREPARED UNDER THE DIRECTION OF
Robert A. Stockton
REGISTERED CIVIL ENGINEER NO. 0033591
EXPIRATION DATE 6-30-06
DATE 6/4/03

RICK ENGINEERING COMPANY
San Diego Riverside Orange Phoenix Tucson
1223 University Ave., Ste. 240 • Riverside, CA 92507-3418 • (909)782-0707 • FAX (909)782-0723 • www.rickeng.com
CITY BUSINESS TAX CERTIFICATE NO. 35225 EXP. DATE 7/20/03
SCALE: 1" = 20' BENCH MARK SEE SHEET 1
DATE: 05/13/03

APPROVED BY
DESIGNED BY: MPN
DRAWN BY: _____
CHECKED BY: RAS

**CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT**
APPROVED BY
PRINCIPAL ENGINEER
STREETS & SERVICES
TRAFFIC DIVISION
DATE 6/16/03

**STORM DRAIN
RELOCATION PLANS
UNIVERSITY WASH
STORM DRAIN
10+20.50 TO 12+05.34**
PROJECT NO. **D-731**
SHEET 2 OF 3
FILE NO. PW03-0048
HORIZ. SCALE 1" = 40' VERT. SCALE 1" = 8'
PLOT DATE: 03-JUN-2003 J.N. 13626

